

PSP Code Review Script

	Entry criteria	<p>Check that the following are on hand:</p> <ul style="list-style-type: none"> - the requirements statement - the program design - the program source code - the coding standards - a copy of the Code Review Checklist
	General	<ul style="list-style-type: none"> - Use the Code Review Checklist. - Follow the checklist instructions during the review. - At review completion, fill in the To Date and To Date % columns and the Totals row.
1	Review procedure	<ul style="list-style-type: none"> - First produce the finished program source code. - Before compiling or testing the program, print out a source code listing. - Next, do the code review. - During the code review, carefully check every line of source code to find and fix as many of the defects as you can.
2	Fix the defects	<ul style="list-style-type: none"> - Fix all defects found. - Check the fixes to ensure they are correct. - Record the defects in the Defect Recording Log.
3	Review for coverage	<ul style="list-style-type: none"> - Verify that the program design fulfills all the functions described in the requirements. - Verify that the source code implements all the design.
4	Review the program logic	<ul style="list-style-type: none"> - Verify that the design logic is correct. - Verify that the program correctly implements the design logic.
5	Check names and types	<ul style="list-style-type: none"> - Verify that all names and types are correctly declared and used. - Check for proper declaration of integer, long integer, and floating point data types.
6	Check all variables	<ul style="list-style-type: none"> - Ensure that every variable is initializes. - Check for overflow, underflow, or out-of-range problems.
7	Check program syntax	<ul style="list-style-type: none"> - Verify that the source code properly follows the language specifications.
8	Scan program	<p>Do an overall scan of the program to check for system issues and unexpected problems.</p>
	Exit criteria	<p>At completion you must have:</p> <ul style="list-style-type: none"> - the completed and corrected source code - completed Time Recording Log - completed Defect Recording Log